D-Link®
Building Networks for People

Product Highlights

Eco-Friendly
Innovative design runs quiet, cool, and clean, saving power automatically

Silent Operation
Fanless design provides noise free operation

Intelligent Data Streaming
Quality of Service (QoS) support enables clear VoIP calls

Rugged Metal Product House
Ensures the product can withstand extreme temperatures

Plug & Play
No configurations needed



DES-105 / DES-108

5/8 Port Fast Ethernet Switches

Key Features

- Inexpensive Fast Ethernet solution for businesses.
- Five/Eight 10/100 Mbps Fast Ethernet ports
- Rugged Metal Housing
- Auto MDI/MDIX crossover for all ports
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control
- Supports Jumbo Frames
- Supports 802.1p QoS
- RoHS compliant
- Plug-and-play installation
- Slot for Kensington Security lock

The DES-105/DES-108 Fast Ethernet Switches provide a quick, easy and economical way to add high speed networking to home offices, small and medium businesses. With data transfer speeds of up to 200 Mbps the DES-105/DES-108 are ideal for fast file transfers. They provide five or eight ports for easy expansion of your network for connecting printers, scanners, storage, and backup devices to any network.

Robust Design

The DES-105 / DES-108 are designed with durability and performance in mind. Their sturdy metal housing ensures the product can withstand extreme temperatures and can be placed in typical industrial environments such as factories, construction and mining. They help to dissipate heat and reduce stress on internal components.

Effortless High Speed Networking

They are easy access, auto-sensing 10/100 front Ethernet ports with two LED indicators per port to quickly distinguish link status and speed. The DES-105/DES-108 switches also support Auto MDI/MDIX Crossover allowing each port to be plugged directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables. Support for IEEE 802.1p QoS is included, which organises and prioritises time-sensitive and important data for efficient delivery.

IEEE 802.1p QoS

QoS prioritises network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. This helps ensure an optimal experience for streaming media and VoIP calls.

DES-105 / DES-108 5/8 Port Fast Ethernet Switches

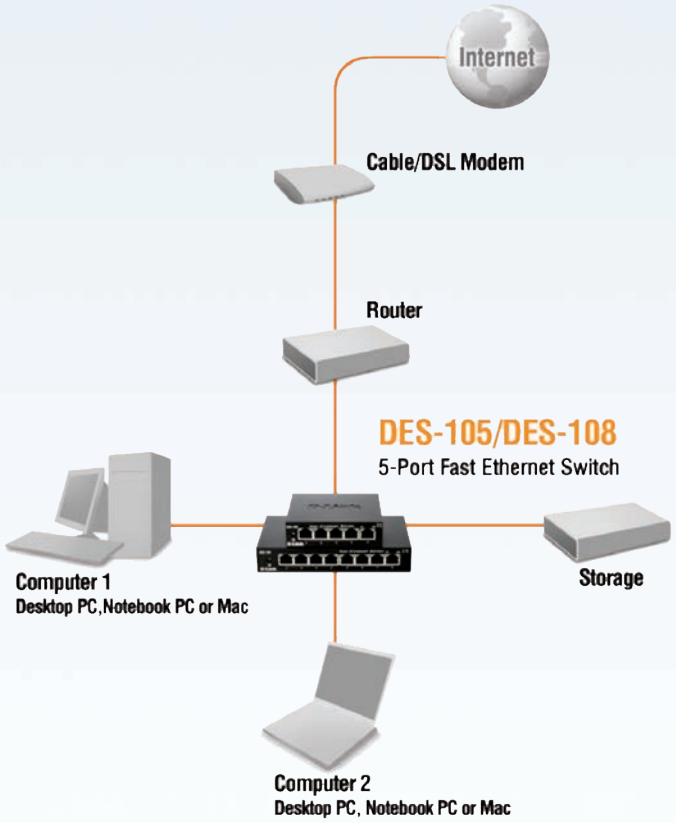
Power-saving technology

The DES-105/DES-108 are part of D-Link Green™, D-Link's eco-friendly technology, providing energy savings, reduced power consumption, and a longer product lifespan without sacrificing operational performance or functionality. These switches support IEEE 802.3az Energy Efficient Ethernet (EEE) standard which detects when a connected computer is shut down or when there is no Ethernet traffic, in which case the switches will proceed to power down the idle port, saving a substantial amount of power. This helps businesses to save money by reducing their electricity bills with no compromise on performance.

Environmentally Friendly

The DES-105/DES-108 switches are designed with the environment in mind. They are compliant with Energy Star Level V, CEC, and MEPS regulations which require the use of energy efficient power adapters. They are built to comply with RoHS standards to minimise use of hazardous materials and is packaged with an EnergyStar Level V qualified power adapter all with recyclable packaging making this product truly environmental friendly.

Your Network Setup



D-Link Assist
Rapid Response Support

If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

D-Link Assist Gold - for comprehensive 24-hour support

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.

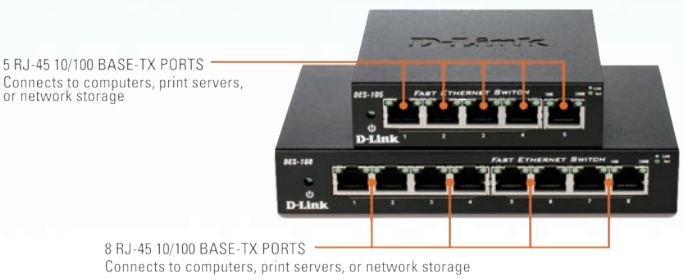
D-Link Assist Silver - for prompt same-day assistance

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist Bronze - for guaranteed response on the next business day

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.



D-Link®
Building Networks for People

DES-105 / DES-108 5/8 Port Fast Ethernet Switches

Technical Specifications

	DES-105	DES-108
		
Switching Fabric	• 1.0 Gbps	• 1.6 Gbps
Standards	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • ANSI/IEEE 802.3 NWay auto-negotiation	• IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Protocol	• CSMA/CD	
Data Transfer Rates	• Ethernet: - 10 Mbps (half duplex) - 20 Mbps (full duplex)	• Fast Ethernet: - 100 Mbps (half duplex) - 200 Mbps (full duplex)
Topology	• Star	
Network Cables	• 10BASE-T: - UTP CAT 3, 4, 5/5e (100 m max.) - EIA/TIA-586 100-ohm STP (100 m max.)	• 100BASE-TX: - UTP CAT 5/5e (100 m max.) - EIA/TIA-568 100-ohm STP (100 m max.)
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
LED Indicators	• Per port: Link/Activity	• Per device: Power
Transmission Method	• Store-and-forward	
MAC Address Table	• 2K	• 1K
MAC Address Learning	• Automatic update	
Packet Filtering/Forwarding Rates	• Ethernet: 14,880 pps per port	• Fast Ethernet: 148,800 pps per port
RAM Buffer	• 384 KBytes per device	• 768 KBytes per device
Jumbo Frames	• 2047 Bytes	• 1536 Bytes
QoS	• 2 Queues, strict mode	• 2 Queues, WRR mode

DES-105 / DES-108 5/8 Port Fast Ethernet Switches

General Specifications		
DC Input	• External 5 V/1 A Level "V" Power Adapter	
Power Consumption	• Power On (Standby): - DC input: 0.5 watts - AC input: 1.0 watts • Maximum: - DC input: 2.01 watts - AC input: 3.10 watts	• Power On (Standby): - DC input: 0.55 watts - AC input: 1.0 watts • Maximum: - DC input: 2.8 watts - AC input: 4.5 watts
Heat Dissipation	• Power On (Standby) AC input: 3.41 BTU/h • Maximum DC input: 6.854 BTU/h	• Power On (Standby) AC input: 3.41 BTU/h • Maximum DC input: 9.548 BTU/h
MTBF	• 495,709 hours	• 511,323 hours
Operating Temperature	• 32 to 122 ˚F (0 to 50 ˚C)	
Storage Temperature	• 14 to 158 ˚F (-10 to 70 ˚C)	
Operating Humidity	• 10% to 90% RH non-condensing	
Storage Humidity	• 5% to 90% RH non-condensing	
Dimensions	• 100 x 98 x 28 mm	• 162 x 102 x 28 mm
Weight	• 265 grams	• 412 grams
Certifications	• FCC Class B • ICES-003 Class B • CE Class B • C-Tick Class B	• VCCI Class B • cUL • CB

For more information: www.dlink.eu

D-Link European Headquarters. D-Link (Europe) Ltd., D-LinkHouse, Abbey Road, Park Royal, London, NW10 7BX. Specifications are subject tochange without notice. D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2012 D-Link Corporation. All rights reserved. E&OE.

Updated 7/2/2012

dlink green

Energy Efficient Ethernet

ACN 052 202 838

D-Link®
Building Networks for People